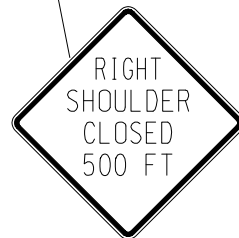


Two-way, Two-Lane Operation with Excavation in the Median for Culvert and other Excavations

Diagram illustrating a roadway excavation and barrier installation. Key dimensions and components include:

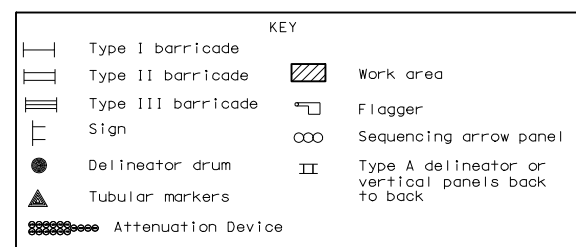
- Graded flat area** (Left and Right)
- Variable length portable concrete barriers** (Top center)
- Length of the excavation** (Top center)
- 60'** (Dimensions on the top and bottom)
- 370'** (Dimension on the top)
- 210'** (Dimension on the top)
- 60'** (Dimension on the top)
- 500'** (Dimension on the bottom)
- 1:4** (Slopes on the left and right)
- 1:15** (Slopes on the left and right)
- 2'** (Dimension on the bottom)
- 2L** (Dimension on the bottom)
- Graded flat area** (Bottom center)
- Excavated area** (Bottom center)
- Closed roadway under construction** (Bottom center)
- Roadway C** (Bottom right)
- Type B-65** (Labels on the left and right)
- 1/2 the barrier length** (Label on the top)



NOTES:

1. The location is within a project and the necessary traffic control is in place.
2. Concrete portable barriers shall be installed when excavation is within the clear zone and 1 foot or more in depth.

ADVANCE WARNING SIGN SPACING			
Road Type	Distance Between Signs Min. (ft)		
	A	B	C
Urban - Low Speed (30 mph or less)	150	150	150
Urban - Low Speed (over 30 to 40 mph)	280	280	280
Urban - High Speed (over 40 mph to 50 mph)	360	360	360
Rural - High Speed (over 50 mph to 65 mph)	720	720	720
Urban Expressway and Freeway (55 mph to 60 mph)	850	1350	2200
Rural Expressway and Freeway (70 mph to 75 mph)	1000	1500	2640
Interstate/4-Lane Divided (Maintenance and Surveying)	750	1000	1500



NORTH DAKOTA DEPARTMENT OF TRANSPORTATION	
04-01-04	
REVISIONS	
DATE	CHANGE
12-01-04 06-29-05	PE Stamp added Rev. Adv. Warning Table

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